







Abhrajyoti Kundu

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TEST SCHEDULE



OVERALL ANALYSIS COMPARISON REPORT ALL(65) CORRECT(43) INCORRECT(14) SKIPPED(8) Q. 21 ③ Have any Doubt?  $\lim_{x\to 0} \left( \frac{4e^{4x} - 4}{\sin(2x)} \right) \text{ is equal to } \underline{\hspace{2cm}}$ A 8 Your answer is Correct Solution:  $\lim_{x\to 0} \left( \frac{4e^{4x} - 4}{\sin(2x)} \right) \text{ it is of form } \left( \frac{0}{0} \right)$ Applying L Hospital's rule 16e4x  $\lim_{x\to 0} \frac{10\varepsilon}{2\cos(2x)}$ B 16 **C** 4 Limit does not exist QUESTION ANALYTICS 0.22 Consider the following CFG:  $S \rightarrow (L)|aL$  $L' \rightarrow \times SL' \mid \in$ Which of the following represents FOLLOW(L) and FIRST(L)? A FOLLOW(L) ={), \$}  $FIRST(L) = \{a, b\}$ B FOLLOW(L) = {x , ), \$} Your answer is Correct  $FIRST(L) = \{(, a, b)\}$ Solution:
(b)
• FOLLOW(L) = [), FOLLOW(S)]  $FOLLOW(S) = FIRST(L') = [\times, FOLLOW(S)] = [\times, \$]$  $FOLLOW(L) = \{), \times, \$\}$ • FIRST(L) = [FIRST(S), b]FIRST(S) = [(, a]FIRST(L) = [(, a, b]C FOLLOW(L) ={), \$}  $FIRST(L) = \{(, a\}$ D FOLLOW(L) ={x , ), \$}  $FIRST(L) = \{(, a, b, \in\}$ QUESTION ANALYTICS ( Have any Doubt? Q. 23





